

# Proceedings of the Iowa Academy of Science

---

Volume 46 | Annual Issue

Article 79

---

1939

## Photography - A Physics Course for the Small College

Roger M. Morrow  
*Iowa Wesleyan College*

Copyright ©1939 Iowa Academy of Science, Inc.

Follow this and additional works at: <https://scholarworks.uni.edu/pias>

---

### Recommended Citation

Morrow, Roger M. (1939) "Photography - A Physics Course for the Small College," *Proceedings of the Iowa Academy of Science*, 46(1), 268267-267.

Available at: <https://scholarworks.uni.edu/pias/vol46/iss1/79>

This Research is brought to you for free and open access by the Iowa Academy of Science at UNI ScholarWorks. It has been accepted for inclusion in Proceedings of the Iowa Academy of Science by an authorized editor of UNI ScholarWorks. For more information, please contact [scholarworks@uni.edu](mailto:scholarworks@uni.edu).

## TECHNIQUE OF RADIOGRAPHY WITH SOFT X-RAYS

F. M. BAILEY

The soft x-ray apparatus which was developed has been applied to the radiography of small biological specimens and other material requiring long wavelengths to produce sufficient contrast. Stereoscopic technique has also been used in order to provide three dimensional views of specimens.

DEPARTMENT OF PHYSICS,  
IOWA STATE COLLEGE,  
AMES, IOWA.

---

THE MAGIC EYE — A DEMONSTRATION  
EXPERIMENT

E. HOBART COLLINS

The control of electrons is demonstrated with electric and magnetic fields with a raditron 6E5, the magic eye tube. The electric field is applied in the usual mannner, the magnetic field by means of a permanent magnet and a helmoltz coil. Its effectiveness when used in connection with the motion picture, "Electrons," is discussed.

DEPARTMENT OF PHYSICS,  
PARSONS COLLEGE,  
FAIRFIELD, IOWA.

---

PHOTOGRAPHY — A PHYSICS COURSE FOR THE  
SMALL COLLEGE

ROGER M. MORROW

Photography makes an excellent science course for interested students with varying degrees of preparation. Excellent text books have been published. The need of exact quantitative experiments has been pointed out. Several such experiments are available.

DEPARTMENT OF PHYSICS,  
IOWA WESLEYAN COLLEGE,  
MT. PLEASANT, IOWA.